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Search Results - Record(s) 1 through 3 of 3 returned.

☐ 1. Document ID: US 20050090972 A1

L46: Entry 1 of 3

File: DWPI

Apr 28, 2005

DERWENT-ACC-NO: 2005-401886

DERWENT-WEEK: 200541

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TITLE: Unmanned aerial vehicle navigating method, involves reading starting position of vehicle from receiver on vehicle, and piloting vehicle from starting position to waypoint, based on navigation algorithm

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	Index	Drawings
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☐ 2. Document ID: US 7130741 B2, US 20050090945 A1

L46: Entry 2 of 3

File: DWPI

Oct 31, 2006

DERWENT-ACC-NO: 2005-401885

DERWENT-WEEK: 200672

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TITLE: UAV navigating method, involves calculating heading based upon starting point, waypoint coordinates and navigation algorithm, identifying flight control instructions on heading, and transmitting instructions to UAV

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	Index	Drawings
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☐ 3. Document ID: US 6677941 B2, US 20020033818 A1

L46: Entry 3 of 3

File: DWPI

Jan 13, 2004

DERWENT-ACC-NO: 2002-507158

DERWENT-WEEK: 200405

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TITLE: Three-dimensional relative positioning and tracking process for e.g. structural dynamic measurements, involves determining relative attitude of target with respect to range image carrier

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	Index	Drawings
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Terms	Documents
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L46: Entry 3 of 3

File: DWPI

Jan 13, 2004

DERWENT-ACC-NO: 2002-507158

DERWENT-WEEK: 200405

COPYRIGHT 2007 DERWENT INFORMATION LTD

TITLE: Three-dimensional relative positioning and tracking process for e.g. structural dynamic measurements, involves determining relative attitude of target with respect to range image carrier

INVENTOR: LIN, C

PATENT-ASSIGNEE: LIN C (LINCI), AMERICAN GNC CORP (AMGNN)

PRIORITY-DATA: 2000US-223556P (August 5, 2000), 2001US-0924225 (August 6, 2001)

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### PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<input type="checkbox"/> <a href="#">US 6677941 B2</a>	January 13, 2004		000	G06T015/00
<input type="checkbox"/> <a href="#">US 20020033818 A1</a>	March 21, 2002		021	G06T015/00

### APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
US 6677941B2	August 5, 2000	2000US-223556P	Provisional
US 6677941B2	August 6, 2001	2001US-0924225	
US20020033818A1	August 5, 2000	2000US-223556P	Provisional
US20020033818A1	August 6, 2001	2001US-0924225	

INT-CL (IPC): G06T 15/00

ABSTRACTED-PUB-NO: US20020033818A

### BASIC-ABSTRACT:

NOVELTY - The relative attitude of a target is determined with respect to a range image carrier from three selected three-dimensional positions of the three-dimensional target position.

USE - For e.g. structural dynamic measurements, automated navigation, projectile tracking, munition guidance, collision avoidance, military surveillance, target recognition, metrology, robotic vision, automated docking of unmanned micro shuttle on satellite.

ADVANTAGE - Obtains three-dimensional motion of multiple target points without using multiple cameras. Translates pixels in laser dynamic range imager into world

coordinates in Cartesian representation.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of a three-dimensional relative positioning and tracking process.

ABSTRACTED-PUB-NO: US20020033818A

EQUIVALENT-ABSTRACTS:

CHOSEN-DRAWING: Dwg.1/9

DERWENT-CLASS: S02 T01 W06

EPI-CODES: S02-B02; S02-B05; S02-H; T01-J07A; T01-J07D3; T01-J10C4; W06-A;

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File: DWPI

Apr 28, 2005

DERWENT-ACC-NO: 2005-401886

DERWENT-WEEK: 200541

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TITLE: Unmanned aerial vehicle navigating method, involves reading starting position of vehicle from receiver on vehicle, and piloting vehicle from starting position to waypoint, based on navigation algorithm

INVENTOR: BODIN, W K; REDMAN, J J W ; THORSON, D C

PATENT-ASSIGNEE: INT BUSINESS MACHINES CORP (IBMC)

PRIORITY-DATA: 2003US-0692169 (October 23, 2003)

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PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<input type="checkbox"/> <u>US 20050090972 A1</u>	April 28, 2005		030	G01C021/00

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
US20050090972A1	October 23, 2003	2003US-0692169	

INT-CL (IPC): G01C 21/00

ABSTRACTED-PUB-NO: US20050090972A

BASIC-ABSTRACT:

NOVELTY - The method involves receiving a user's selection of a map pixel representing a waypoint for unmanned aerial vehicle (UAV) navigation, at a remote control device. The pixel is mapped to waypoint coordinates, and the waypoint is transmitted to the UAV. A starting position of the UAV, is read from a GPS receiver on the UAV, and the UAV is piloted from the starting position to the waypoint, based on a navigation algorithm.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(A) a UAV navigating system comprising a global positioning system (GPS) receiver and remote control device

(B) a computer program product for navigating a UAV.

USE - Used for navigating an unmanned aerial vehicle (UAV).

ADVANTAGE - The UAV is piloted from the starting position to the waypoint, based on

a navigation algorithm, hence enabling the operators to efficiently control the manual operation of the UAV.

DESCRIPTION OF DRAWING(S) - The drawing shows a flow chart for navigating a UAV.

ABSTRACTED-PUB-NO: US20050090972A

EQUIVALENT-ABSTRACTS:

CHOSEN-DRAWING: Dwg.4/15

DERWENT-CLASS: S02 T01 W05 W06

EPI-CODES: S02-B08G; T01-J07D3; T01-J12B; T01-S03; W05-D06G5; W05-D07D; W05-D08C;  
W06-A03A5C; W06-B01B1;

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File: DWPI

Oct 31, 2006

DERWENT-ACC-NO: 2005-401885

DERWENT-WEEK: 200672

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TITLE: UAV navigating method, involves calculating heading based upon starting point, waypoint coordinates and navigation algorithm, identifying flight control instructions on heading, and transmitting instructions to UAV

INVENTOR: BODIN, W K; REDMAN, J J W ; THORSON, D C

PATENT-ASSIGNEE: INT BUSINESS MACHINES CORP (IBMC)

PRIORITY-DATA: 2003US-0692118 (October 23, 2003)

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PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<input type="checkbox"/> <u>US 7130741 B2</u>	October 31, 2006		000	G01C021/28
<input type="checkbox"/> <u>US 20050090945 A1</u>	April 28, 2005		031	G01C021/00

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
US 7130741B2	October 23, 2003	2003US-0692118	
US20050090945A1	October 23, 2003	2003US-0692118	

INT-CL (IPC): G01C 21/00; G01C 21/28

ABSTRACTED-PUB-NO: US20050090945A

BASIC-ABSTRACT:

NOVELTY - The method involves receiving a user's selection of a graphical user interface map pixel in a remote control device e.g. mobile telephone (110). A heading is calculated based upon starting point received from a global position system receiver on a UAV (100), coordinates of waypoint and a navigation algorithm. Flight control instructions are identified on the heading and transmitted from the remote control device to the UAV.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(A) a system for navigating a UAV

(B) a computer program product for navigating a UAV.

USE - Used for navigating a UAV.

ADVANTAGE - The method automatically navigates the UAV with a single keystroke or mouseclick from operator.

DESCRIPTION OF DRAWING(S) - The drawing shows components of a UAV navigating system.

UAV 100

Workstation 104

Mobile telephone 110

Laptop computer 116

Satellites 190, 192

ABSTRACTED-PUB-NO: US20050090945A  
EQUIVALENT-ABSTRACTS:

CHOSEN-DRAWING: Dwg.1/15

DERWENT-CLASS: S02 T01 W05 W06  
EPI-CODES: S02-B08G; T01-J07D3; T01-J12B; T01-S03; W05-D06G5; W05-D07D; W05-D08C;  
W06-B01B1;

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